**INFORMATION DISCLOSURE STATEMENT**

Applicant : Byon, et al.
App. No. : 09/970,043
Filed : October 2, 2001
For : LOW MOLECULAR WEIGHT
POLYMANNURONATE
Examiner : Traviss C McIntosh
Group Art Unit : 1623

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing fourteen (14) references that are also enclosed.

This Information Disclosure Statement is being filed before the mailing date of a final action under 37 C.F.R. § 1.113 and before the mailing date of a Notice of Allowance under § 1.311. A certification under 37 C.F.R. § 1.97(e) is set forth below. Thus, no fee is required as set forth below in 37 C.F.R. § 1.97(c).

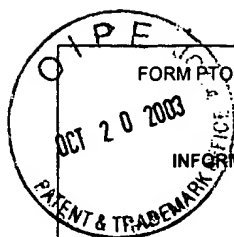
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 10/17/03

By: 

Mincheol Kim
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
KBPCO.001APCAPPLICATION NO.
09/970,043INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Byon, et al.FILING DATE
October 2, 2001GROUP
1623

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	4,689,322	08/25/87	Kulbe, et al.			
	2.	3,887,562	06/03/75	Cobo Barrachina			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	3.	WO 98 51710 A	11/19/98	PCT				X
	4.	WO 95 24497 A	09/14/95	PCT				X
	5.	EP 0 493 265 A	07/01/92	EPO				X
	6.	GB 2 325 233 A	11/18/98	Great Britain				X
	7.	EP 0 506 326 A	09/30/92	EPO				X
	8.	WO 91 11205 A	08/08/91	PCT				X
	9.	JP 6172375 A	06/21/94	JAPAN			Abstract Only	
	10.	CN 1099235 A	03/01/95	CHINA			Abstract Only	
	11.	CN 1075864 A	09/08/93	CHINA			Abstract Only	

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	12.	Ochi, et al., "A Simple Method For Preparation Of Poly-Mannuronate Using Poly-Guluronate Lyase", 1995, Biosci. Biotech. Biochem., Vol. 59, No. 8, Pages 1560-1561
	13.	Belitz, et al., "Food Chemistry, Chapter 4.4.4.2.2. Alginates-Structure, Properties", Page 285 (XP002232076)
	14.	Haug, et al., "Studies on the Swquence of Uronic Acid Residues in Alginic Acid", 1967, Acta Chem. Scand., Vol. 21, No. 3, Pages 691-704 (XP009006155)

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081303

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.